

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415470

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-730-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5594 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

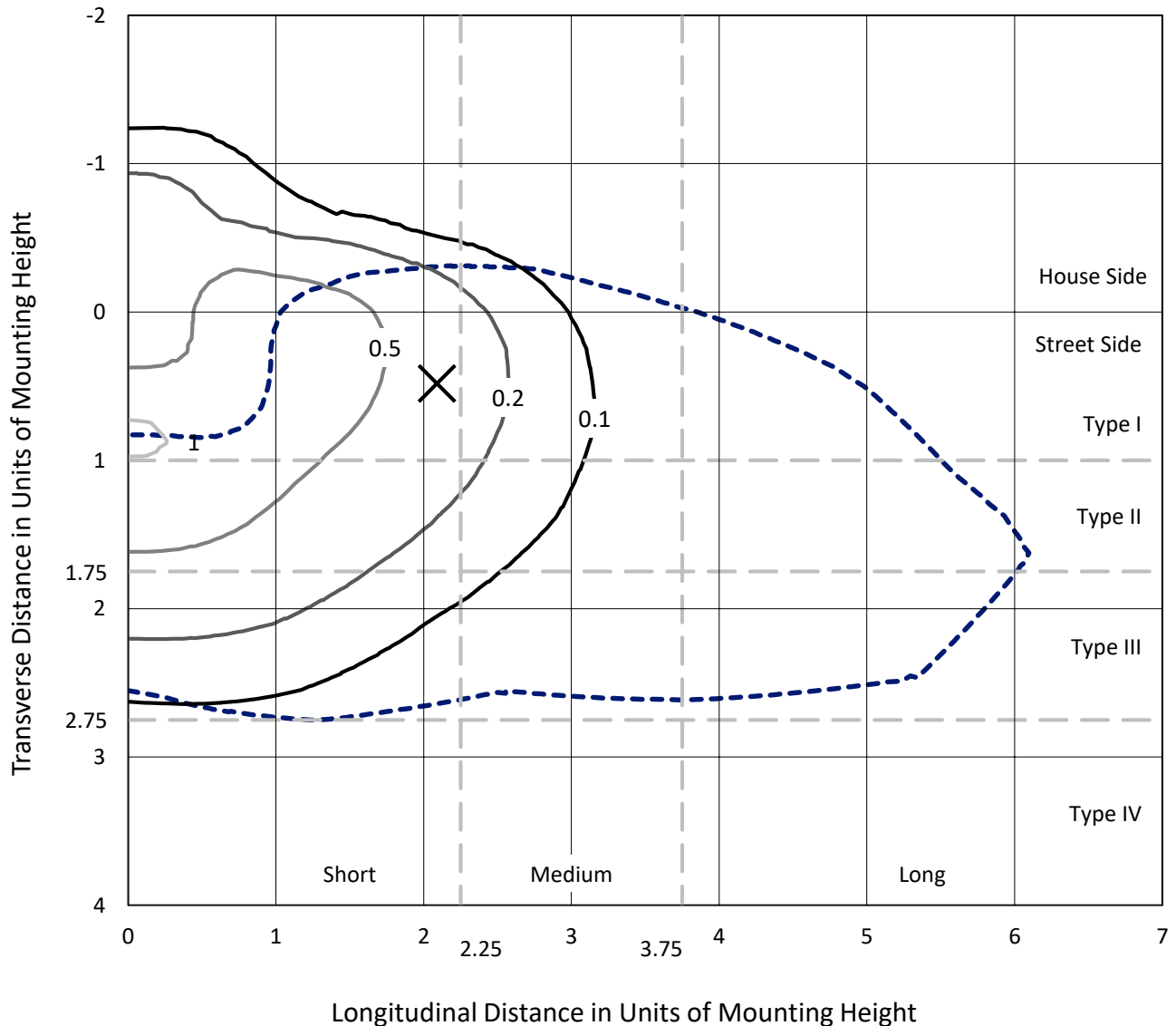


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

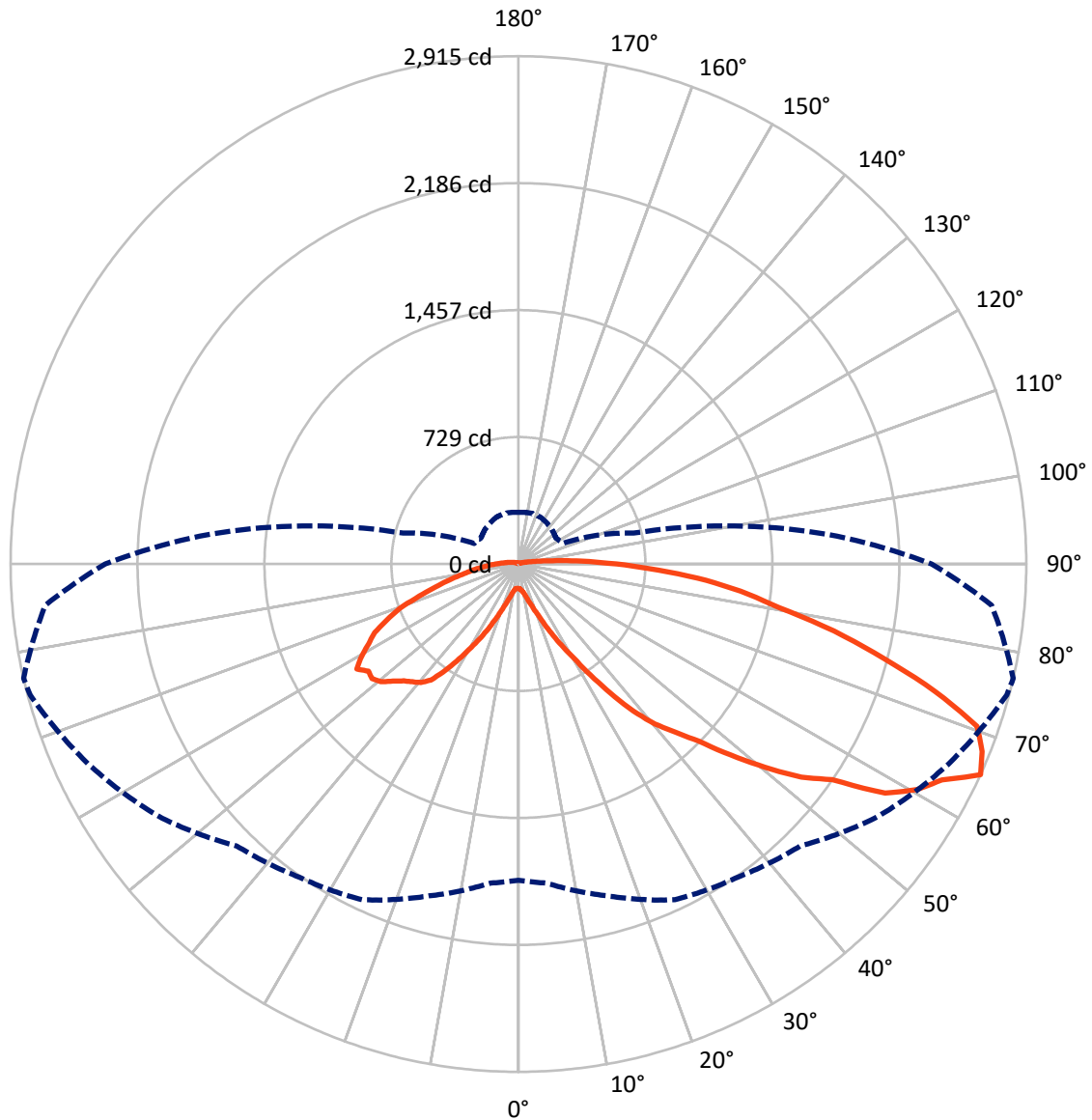


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1232.7	87.7	1320.3
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4164.1	109.6	4273.7
	% Fixture	74.4	2.0	76.4
Total	Lumens	5396.8	197.2	5594.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.3
10°-20°	61.3	1.1
20°-30°	179.5	3.2
30°-40°	429.8	7.7
40°-50°	774.0	13.8
50°-60°	1177.2	21.0
60°-70°	1388.7	24.8
70°-80°	957.0	17.1
80°-90°	414.9	7.4
90°-100°	121.1	2.2
100°-110°	37.9	0.7
110°-120°	17.7	0.3
120°-130°	10.4	0.2
130°-140°	6.4	0.1
140°-150°	2.8	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5396.8	96.5
0°-180°	5594.0	100.0



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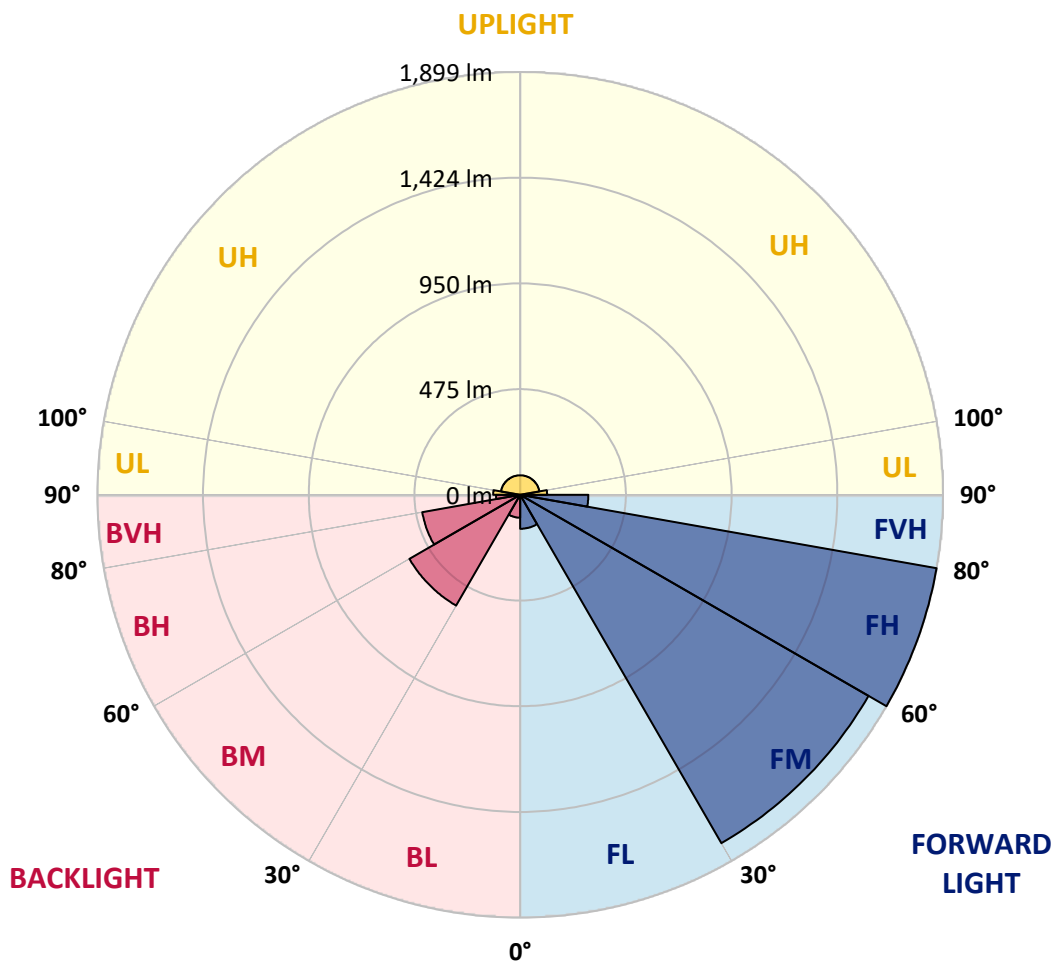
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.5	2.7			
FM	(30°-60°)	1806.5	32.3			
FH	(60°-80°)	1899.0	33.9			G2/5000
FVH	(80°-90°)	306.1	5.5			G3/500
BL	(0°-30°)	102.8	1.8	B0/110		
BM	(30°-60°)	574.5	10.3	B1/1000		
BH	(60°-80°)	446.6	8.0	B1/500		G1/500
BVH	(80°-90°)	108.8	1.9			G2/225
UL	(90°-100°)	121.1	2.2		U3/500	
UH	(100°-180°)	87.7	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	151.1	150.5	150.5	151.1	149.8	148.5	146.6	144.7	142.7	142.7	141.5
5°	163.3	162.7	162.7	162.7	160.1	158.2	153.7	151.1	148.5	147.2	145.3
7.5°	179.4	177.5	178.1	177.5	173.6	169.8	165.3	160.1	156.9	156.3	152.4
10°	200.6	199.3	198.0	195.5	191.6	185.2	178.8	174.3	169.8	169.1	164.6
12.5°	230.8	229.6	227.0	221.2	212.8	205.1	198.7	193.5	191.0	189.7	185.2
15°	267.5	263.6	262.3	253.3	241.8	232.8	225.7	222.5	219.9	219.9	214.1
17.5°	310.6	310.6	304.1	291.9	277.1	266.2	259.1	253.3	255.3	254.6	251.4
20°	363.9	362.7	353.0	336.9	318.9	308.6	299.6	296.4	299.0	301.6	301.6
22.5°	441.1	437.9	423.1	398.7	372.3	355.6	349.2	348.5	358.8	362.0	365.9
25°	527.9	523.4	504.8	475.2	442.4	416.7	407.7	414.7	433.4	440.5	448.2
27.5°	632.7	630.2	601.9	561.4	522.1	488.7	478.4	500.3	525.3	527.9	543.3
30°	767.8	769.0	730.5	671.9	605.1	570.4	558.8	585.1	622.4	625.0	655.9
32.5°	924.0	924.0	866.1	795.4	709.2	660.4	649.4	691.9	750.4	759.4	789.0
35°	1123.3	1111.8	1037.8	936.2	828.2	755.5	754.3	820.5	900.9	909.9	942.0
37.5°	1302.1	1309.2	1233.9	1101.5	955.5	871.9	882.9	967.1	1068.7	1071.3	1106.0
40°	1495.6	1503.4	1414.6	1276.4	1097.0	1003.1	1025.0	1103.4	1204.4	1206.3	1218.5
42.5°	1647.4	1667.3	1584.4	1440.3	1259.0	1152.3	1157.4	1230.7	1308.5	1318.2	1326.5
45°	1738.1	1752.9	1707.2	1592.1	1401.8	1301.5	1289.2	1349.0	1450.6	1448.1	1460.3
47.5°	1880.8	1898.2	1828.1	1723.3	1562.5	1438.4	1423.0	1500.8	1625.5	1638.4	1626.8
50°	2028.7	2051.9	2001.1	1878.9	1713.0	1592.1	1594.0	1682.8	1828.1	1832.6	1839.7
52.5°	2132.2	2148.9	2129.0	2044.1	1868.0	1758.0	1775.4	1881.5	2024.2	2032.6	2004.3
55°	2148.3	2174.0	2190.1	2170.8	2037.7	1929.0	1973.4	2079.5	2176.0	2183.0	2161.2
57.5°	2143.2	2164.4	2198.5	2213.3	2146.4	2105.2	2162.5	2271.1	2457.0	2480.7	2469.8
60°	2137.4	2152.8	2223.5	2245.4	2207.5	2240.3	2331.6	2525.1	2627.4	2629.3	2529.6
62.5°	1976.6	2002.3	2135.4	2245.4	2235.1	2297.5	2497.5	2631.9	2712.9	2727.7	2632.5
65°	1815.2	1837.7	1971.5	2125.8	2194.0	2287.8	2523.2	2721.2	2901.3	2914.8	2726.4
67.5°	1581.8	1617.2	1763.1	1949.0	2032.6	2182.4	2455.7	2752.7	2864.6	2870.4	2655.0
70°	1288.6	1336.8	1501.4	1697.6	1797.9	1949.6	2304.6	2640.2	2796.5	2793.2	2536.7
72.5°	928.5	971.6	1122.1	1354.8	1511.7	1677.6	2028.1	2416.4	2505.2	2502.0	2158.0
75°	630.8	653.9	767.1	980.0	1205.6	1400.5	1747.1	2096.2	2171.5	2165.7	1848.7
77.5°	413.5	439.8	513.1	695.1	905.4	1129.8	1466.7	1754.8	1873.1	1851.9	1567.0
80°	253.3	268.1	328.6	469.4	686.1	911.8	1212.7	1484.7	1545.8	1514.9	1279.6
82.5°	158.2	169.8	212.8	309.9	492.5	704.1	994.7	1250.0	1318.2	1283.5	1052.6
85°	97.1	102.9	132.5	203.8	334.4	517.6	799.9	1014.0	1055.8	1030.7	793.5
87.5°	70.7	72.0	90.7	137.6	225.7	370.4	589.0	763.9	794.1	747.8	556.2
90°	52.1	54.7	66.9	97.1	156.9	251.4	405.7	537.6	545.3	517.0	371.7
92.5°	39.2	40.5	50.2	68.8	108.0	171.7	270.7	360.1	353.0	333.1	230.8
95°	28.3	28.9	36.0	48.9	75.9	115.1	172.3	225.7	203.2	194.8	140.2
97.5°	23.1	23.8	28.9	37.9	55.9	81.0	111.2	134.4	119.6	114.5	90.0
100°	19.9	19.9	24.4	31.5	43.7	60.4	73.9	84.2	77.2	74.6	63.7
102.5°	18.0	18.0	21.2	26.4	36.0	47.6	54.7	57.9	54.0	52.1	46.9
105°	16.1	16.1	18.6	22.5	30.2	38.6	41.8	42.4	38.6	37.9	36.0
107.5°	14.8	14.8	16.7	19.9	25.7	32.2	33.4	31.5	29.6	28.3	28.3
110°	12.9	13.5	14.8	17.4	22.5	27.0	27.0	24.4	21.9	21.9	22.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	12.2	12.2	13.5	16.1	19.9	23.1	21.9	19.3	17.4	17.4	18.6
115°	10.9	10.9	12.2	14.8	18.0	19.9	18.6	16.1	14.1	14.8	16.1
117.5°	10.3	10.3	11.6	13.5	16.1	17.4	16.1	13.5	12.2	12.9	14.8
120°	10.3	10.3	11.6	12.9	14.8	15.4	14.1	11.6	10.9	10.9	12.9
122.5°	10.3	10.3	10.9	12.9	14.1	14.1	12.2	10.3	9.6	9.6	11.6
125°	10.3	10.3	11.6	12.9	12.9	12.9	10.9	9.0	8.4	9.0	10.3
127.5°	10.9	10.9	11.6	12.2	12.2	11.6	9.6	8.4	7.7	8.4	9.6
130°	10.9	10.9	11.6	12.2	11.6	10.3	9.0	7.7	7.7	7.7	9.6
132.5°	10.9	10.9	11.6	11.6	10.9	9.0	7.7	6.4	7.1	7.7	9.0
135°	10.3	10.3	10.3	10.3	9.6	8.4	6.4	5.8	6.4	7.1	8.4
137.5°	9.6	9.6	9.6	9.6	8.4	7.1	5.1	4.5	5.8	5.8	7.1
140°	8.4	8.4	9.0	8.4	7.7	5.8	4.5	3.2	4.5	4.5	5.8
142.5°	7.7	7.7	7.7	7.7	6.4	5.1	3.2	3.2	3.9	3.9	4.5
145°	6.4	6.4	7.1	6.4	5.1	3.9	2.6	2.6	3.2	3.2	3.9
147.5°	5.1	5.8	5.8	5.1	4.5	3.2	1.9	1.9	2.6	2.6	3.2
150°	4.5	4.5	4.5	4.5	3.2	1.9	1.3	1.9	2.6	2.6	2.6
152.5°	3.2	3.2	3.9	3.9	2.6	1.3	1.3	1.9	1.9	1.9	2.6
155°	2.6	2.6	3.2	2.6	1.9	0.6	1.3	1.3	1.9	1.9	1.9
157.5°	1.3	1.3	1.9	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.9
160°	0.6	0.6	1.9	1.9	1.3	0.6	0.6	0.6	1.3	1.3	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8	140.8
2.5°	140.8	139.5	138.9	137.6	136.3	135.0	135.0	135.0	134.4	133.7	134.4
5°	143.4	142.7	139.5	137.0	134.4	133.1	131.8	131.2	131.2	129.9	129.9
7.5°	150.5	147.9	143.4	138.9	136.3	133.7	131.8	131.2	130.5	129.2	129.2
10°	161.4	158.2	153.0	146.0	141.5	137.0	135.0	135.0	134.4	133.7	133.7
12.5°	182.0	178.1	169.1	159.5	150.5	144.0	142.7	144.7	148.5	149.2	149.2
15°	212.2	207.7	196.1	180.7	166.5	157.5	158.8	164.0	169.1	171.0	171.0
17.5°	249.5	244.3	227.6	205.1	186.5	178.1	177.5	184.5	191.6	195.5	195.5
20°	299.6	291.3	269.4	237.3	211.6	201.9	198.0	204.5	215.4	219.9	218.6
22.5°	362.0	352.4	321.5	272.6	240.5	223.1	218.0	225.1	238.6	244.3	243.7
25°	444.3	434.7	384.5	317.0	268.8	241.8	238.6	248.8	268.8	280.4	279.1
27.5°	540.1	524.1	457.2	366.5	296.4	257.2	257.8	275.2	295.8	308.6	307.4
30°	642.4	621.8	530.5	414.1	322.1	274.6	273.3	293.9	315.1	328.6	328.6
32.5°	777.4	747.2	615.4	459.8	342.1	288.1	283.6	306.7	328.6	342.7	342.1
35°	922.1	881.6	704.1	508.0	358.8	295.1	290.0	313.8	336.3	353.0	353.0
37.5°	1088.0	1019.2	787.0	541.4	370.4	299.0	291.9	318.9	346.6	363.9	362.7
40°	1175.4	1098.3	826.9	556.2	372.3	299.6	295.1	323.4	346.6	353.0	349.8
42.5°	1273.2	1173.5	843.6	538.2	365.2	298.4	297.1	318.9	329.2	327.3	325.4
45°	1396.6	1262.2	859.7	515.7	348.5	296.4	293.9	306.7	307.4	299.6	297.1
47.5°	1554.2	1384.4	886.1	488.7	331.8	291.9	288.7	294.5	283.6	269.4	264.9
50°	1723.3	1525.9	918.9	465.5	316.4	286.1	282.9	281.0	270.1	255.9	253.3
52.5°	1870.5	1621.7	927.9	441.1	306.1	282.3	278.4	276.5	266.2	250.1	246.9
55°	2002.3	1703.3	896.4	404.5	297.7	279.7	278.4	278.4	267.5	250.8	247.6
57.5°	2262.8	1898.8	907.9	367.2	286.8	279.1	281.0	281.6	271.4	255.3	252.1
60°	2270.5	1861.5	840.4	340.8	277.1	279.1	283.6	284.9	277.8	266.9	264.9
62.5°	2344.4	1862.8	749.8	306.7	270.7	277.8	285.5	290.0	290.6	284.2	282.9
65°	2371.4	1835.8	684.2	279.7	261.7	274.6	286.1	297.1	300.9	297.7	296.4
67.5°	2267.9	1711.7	594.8	261.7	252.7	269.4	285.5	299.0	307.4	309.3	309.3
70°	2131.6	1572.2	515.1	244.3	243.1	262.3	281.0	299.0	310.6	315.7	315.7
72.5°	1785.6	1291.2	425.0	226.3	230.2	251.4	271.4	293.2	306.1	310.6	308.6
75°	1493.7	1062.9	349.8	210.9	217.3	237.9	257.8	279.1	288.1	290.6	288.7
77.5°	1263.5	884.1	287.4	196.8	201.9	220.6	238.6	253.3	259.1	257.8	254.6
80°	1018.5	690.0	236.0	179.4	184.5	199.3	212.2	223.8	229.6	226.3	224.4
82.5°	810.8	548.5	201.3	164.0	165.9	178.1	187.1	196.1	205.8	203.2	198.0
85°	599.9	403.8	171.0	147.2	147.2	156.3	160.8	169.1	182.6	182.0	180.0
87.5°	410.2	287.4	145.3	130.5	129.9	135.0	137.6	146.6	164.0	164.6	162.7
90°	270.1	196.8	121.5	113.2	111.9	115.7	117.7	125.4	139.5	140.8	138.2
92.5°	175.5	136.3	99.7	95.8	95.2	98.4	97.7	102.9	112.5	111.9	110.0
95°	112.5	95.2	81.0	79.1	77.2	81.0	79.7	81.0	86.2	84.9	84.9
97.5°	77.8	72.7	66.9	63.7	62.4	66.2	64.9	64.9	67.5	64.9	63.7
100°	59.8	57.9	55.3	52.7	50.2	53.4	53.4	53.4	55.3	51.4	50.2
102.5°	46.3	45.7	45.7	43.7	41.8	44.4	45.0	45.7	45.0	41.2	40.5
105°	36.7	36.7	37.9	36.0	35.4	37.3	37.9	37.3	37.3	34.1	34.1
107.5°	28.9	30.2	31.5	30.2	30.2	31.5	31.5	31.5	30.2	28.3	28.9
110°	23.8	25.1	27.0	25.7	25.7	27.0	26.4	25.7	25.1	24.4	24.4



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	21.2	22.5	21.9	22.5	23.1	22.5	21.2	21.2	21.2	21.9
115°	17.4	18.6	19.9	19.3	19.3	19.9	18.6	18.0	18.0	18.6	18.6
117.5°	15.4	16.7	17.4	17.4	16.7	17.4	16.1	15.4	16.1	16.7	16.7
120°	14.1	14.8	15.4	15.4	14.8	14.8	14.1	13.5	14.1	14.8	15.4
122.5°	12.9	13.5	13.5	14.1	13.5	12.9	12.2	12.2	12.9	13.5	13.5
125°	11.6	12.2	12.2	12.2	12.2	11.6	10.9	10.9	11.6	12.2	12.9
127.5°	10.3	10.9	10.9	11.6	10.9	10.3	9.6	10.3	10.9	11.6	11.6
130°	10.3	10.3	10.3	10.3	9.6	9.0	9.0	9.0	10.3	10.9	10.9
132.5°	9.6	10.3	9.6	9.6	9.0	7.7	7.7	8.4	9.6	10.3	10.3
135°	9.0	9.0	8.4	8.4	7.7	7.1	6.4	7.7	8.4	9.0	9.0
137.5°	7.7	7.7	7.1	6.4	6.4	5.8	5.8	6.4	7.7	8.4	8.4
140°	5.8	6.4	5.8	5.1	5.1	4.5	5.1	5.8	7.1	7.1	7.1
142.5°	4.5	5.1	4.5	3.9	3.9	3.9	3.9	5.1	6.4	6.4	6.4
145°	3.9	3.9	3.9	3.2	2.6	2.6	3.2	4.5	5.8	5.8	5.8
147.5°	3.2	3.2	3.2	2.6	1.9	1.9	2.6	3.9	4.5	4.5	4.5
150°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	3.2	3.9	3.9	3.9
152.5°	2.6	2.6	2.6	1.9	1.3	0.6	1.3	2.6	3.2	3.2	3.2
155°	1.9	1.9	1.9	1.9	1.3	0.6	0.6	1.9	2.6	2.6	2.6
157.5°	1.9	1.9	1.9	1.3	0.6	0.0	0.6	1.9	2.6	1.9	1.9
160°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	1.3	1.9	1.3	1.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)